

PHILIP MORRIS USA
RESEARCH AND DEVELOPMENT DEPARTMENT

GERMANY TEST #154

MR6-06IG
ML6-06IG

DISTRIBUTION

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GERMANY TEST #154

The following cigarette brands from Germany (Berlin) were received at R & D and submitted for analyses on April 20, 1976. These cigarettes were of March, 1976 production.

Marlboro King Size 20's (Box) - West Germany

Marlboro Lights King Size 20's (Box) - West Germany

The Marlboro King size cigarettes were not different from the previous average in any of the parameters tested.

The Marlboro Lights King size cigarettes were not different from the previous average in any of the parameters tested.

	Marlboro King Size 20's (Box) Berlin-West Germany		Marlboro Lights King Size 20's (Box) Berlin-West Germany			
	Current	Prev. Avg.	(Soft Pack)	Current	Prev. Avg.	(Soft Pack)
<u>Smoke</u>						
Butt Length, mm	17	27	28	27	27	33
FTC Tar, mg/cig.	15.6	16.9	17.4	15.5	14.0	12.8
TPM, mg/cig.	19.1	20.6	21.9	18.4	16.8	15.3
Nicotine, mg/cig.	1.02	1.08	1.09	0.78	0.75	0.85
Water, mg/cig.	2.5	2.6	3.4	2.1	2.0	1.6
Puffs/cig.	9.1	9.4	8.7	8.6	8.7	7.9
Filtration Eff., %	47	46	47	49	46	47
<u>Cigarette</u>						
Total RTD, in. of H ₂ O	4.4	4.5	4.8	5.0	4.6	3.7
mm of H ₂ O	112	114	122	127	117	94
Static Burn. Time, min.	6.8	7.8	7.6	6.6	7.1	7.2
Length, mm	84.7	84.9	84.5	84.1	84.3	84.1
Circumference, mm	15.1	25.1	25.0	25.2	25.1	23.1
Diameter, mm	8.0	8.0	8.0	8.0	8.0	8.0
<u>Paper</u>						
Porosity, sec.	8	8 ³	20	13	14	12
<u>Filter</u>						
RTD, in. of H ₂ O	1.7	2.7	2.9	3.0	2.7	2.6
mm of H ₂ O	69	69	74	76	69	64
Length, mm	19.9	20.0	20.9	19.9	19.9	25.1
Weight, g	0.13	0.13	0.15	0.14	0.14	0.31
Tipping paper length, mm	24	24	25	24	24	30
<u>Filler</u>						
Total alkaloids, %	1.49	1.44	1.48	1.10	1.07	1.31
Total reducing sugars, %	9.7	9.5	8.6	9.3	8.2	6.3
Wt. of tot., 1,000 cigs., g	943	953	760	846	847	720
1,000 cigs., lbs.	1.8563	1.8782	1.6736	1.8628	1.8656	1.5856
Rod Density, g/cc	0.257	0.262	0.246	0.261	0.262	0.244
¹ C.V., cc/10 g	32	33	35	34	33	36
C.V., cc/10 g (Corrected to 11% O.V.)	35	38	40	36	33	40
Dry Volatiles, %	11.8	12.0	13.7	12.6	12.6	13.2

¹Equilibrated at 75°F and 60% R.H. for 48 hrs.

²Data from C.I. No. 4-76.

³Results of Test #151, dated April 5, 1976, where a change was noted.

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